

Substitute for Form 1449A/PTO (Modified)

FEB 23 2004

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 9

Complete if Known

		Application Number		10/648,956
		Filing Date		08/27/2003
		First Named Inventor:		Rajiv Ramaswami
		Group Art Unit		2855 2883
		Examiner Name		Unassigned Healy
Attorney Docket Number	3239P081D2			

U.S. PATENT DOCUMENTS

Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Issue/ Publication of Cited Document MM-DD-YYYY	CLASS	
		Number Code ²	Kind (If known)			SUB CLASS	
GUW		3,651,392		Frisch, et al.	3/21/1972	318	561
GUW		4,365,863		Broussaud	12/28/1982	385	18X
GUW		4,369,523		Seki, et al.	1/18/1983	455	601
GUW		4,437,190		Rozenwaig, et al.	3/13/1984	455	600
GUW		4,470,154		Yano	9/4/1984	455	607
GUW		4,519,670		Spinner, et al.	5/28/1985	350	96.15
GUW		4,530,566		Smith, et al.	7/23/1985	350	96.20
GUW		4,563,774		Gloge	1/7/1986	455	607
GUW		4,580,873		Levinson	4/8/1986	385	17X
GUW		4,612,670		Henderson	5/16/1986	455	607
GUW		4,634,239		Buhrer	10/6/1987	350	486
GUW		4,797,879		Habbab, et al.	1/10/1989	370	3
GUW		4,817,014		Schneider, et al.	3/28/1989	364	728.03
GUW		4,843,382		Oda, et al.	6/27/1989	455	601X
GUW		4,856,863		Sampsell, et al.	8/15/1989	385	18X
GUW		4,859,012		Chon	8/22/1989	385	18X
GUW		4,886,335		Yanagawa, et al.	12/12/1989	385	18X
GUW		4,897,830		Hill, et al.	1/30/1990	372	4
GUW		4,903,225		Brost	2/20/1990	375	96
GUW		4,982,446		Lord, et al.	1/1/1991	455	600

FOREIGN PATENT DOCUMENTS

Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	CLASS	
		Office ³	Number ⁴	Kind Code ⁵ (If known)			T ⁶	
GUW		WO	86/04205		PCT	07/17/86	H04Q	11/02
GUW		WO	86/05649		PCT	09/25/86	H04Q	11/02
GUW		WO	90/14734		PCT	11/29/90	H04N	7/23
GUW		WO	91/01603		PCT	02/07/91	H04J	14/18
GUW		WO	95/19689		PCT	07/20/95	H04Q	11/02
GUW		EP	0 674 457	A2	Fujitsu	09/27/95	385	24X
GUW		EP	0 721 275	A2	EPO	12/28/95	H04M	3/36

Examiner Signature	<i>R. Healy</i>	Date Considered	12/20/05
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Substitute for Form 1449A/PTO (Modified)				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/648,956
				Filing Date	08/27/2003
				First Named Inventor:	Rajiv Ramaswami
				Group Art Unit	2855-2883
				Examiner Name	Unassigned Healy
Sheet	2	of	9	Attorney Docket Number	3239P081D2

U.S. PATENT DOCUMENTS					
Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Issue/ Publication of Cited Document MM-DD-YYYY
		Number Code ²	Kind (If known)		
BWV		4,984,238		Watanabe, et al.	1/8/1991 370 105.1
ZMV		5,035,482		ten Berge, et al.	7/30/1991 385 96.2a
BWV		5,037,173		Sampsell, et al.	8/6/1991 385 17
BWV		5,157,652		Walker	10/20/1992 385 17
ZMV		5,216,729		Berger, et al.	6/1/1993 385 31
BWV		5,253,274		Janniello, et al.	10/12/1993 375 121
BWV		5,260,819		Hadifotiou, et al.	11/9/1993 359 10
BWV		5,272,556		Faulkner, et al.	12/21/1993 359 12.5
ZMV		5,299,044		Mosch, et al.	3/29/1994 359 110
BWV		5,349,550		Gage	9/20/1994 364 72.03
BWV		5,355,238		Kight, et al.	10/11/1994 359 135
ZMV		5,359,683		Pan	10/25/1994 385 22
BWV		5,440,654		Lambert, Jr.	8/8/1995 385 17
BWV		5,477,364		Pearson	12/19/1995 359 139
ZMV		5,485,300		Daley	1/16/1996 359 180
ZMV		5,487,120		Choy, et al.	1/23/1996 385 24
BWV		5,488,862		Neukermans, et al.	2/6/1996 73 501.02
ZMV		5,515,361		Li, et al.	5/7/1996 370 15
ZMV		5,521,732		Nishio	5/28/1996 359 120
ZMV		5,521,734		Frigo	5/28/1996 359 152

FOREIGN PATENT DOCUMENTS						
Exam. Initial*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	
		Office ³	Number ⁴	Kind Code ⁵ (If known)		
ZMV		EP	0 752 794	A2	EPO	01/08/97 H04Q 11/00
ZMV		EP	0 759 681	A2	EPO	02/26/97 385 17
BWV		EP	0 809 384	A2	EPO	05/20/97 H04E 29/14
BWV		WO	97/24822		PCT	07/10/97 H04B 19/08
ZMV		EP	0 857 000	A2	EPO	01/30/98 H04Q 11/00
ZMV		EP	0 647 457	A3	Fujitsu	05/13/98 H04Q 11/00
ZMV		WO	98/54863		PCT	05/27/98 H04J 14/02

Examiner Signature	<i>R. Healy</i>	Date Considered	12/20/04
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 9

Complete if Known

Application Number	10/648,956
Filing Date	08/27/2003
First Named Inventor:	Rajiv Ramaswami
Group Art Unit	2855 2883
Examiner Name	Unassigned Healy

Attorney Docket Number 3239P081D2

Exam. Initial*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Issue/ Publication of Cited Document MM-DD-YYYY	CLASS	545 CLASS
		Number Code ²	Kind (If known)			Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	
5/10		5,524,153		Laor	6/4/1996	385	16
5/10		5,535,293		Buchin	7/9/1996	385	27
5/10		5,539,328		Mirov, et al.	7/23/1996	326	30
5/10		5,570,371		Iga	10/29/1996	370	99
5/10		5,608,735		McCullough, et al.	3/4/1997	370	51.3
5/10		5,629,790		Neukermans, et al.	5/13/1997	359	198
5/10		5,629,919		Hayashi, et al.	5/13/1997	369	112
5/10		5,648,618		Neukermans, et al.	7/15/1997	73	888888.00
5/10		5,666,487		Goodman, et al.	9/9/1997	395	280.76
5/10		5,694,389		Seki, et al.	12/2/1997	375	326
5/10		5,699,463		Yang, et al.	12/16/1997	385	22
5/10		5,719,903		Hiben, et al.	2/17/1998	375	322
5/10		5,727,098		Jacobson	3/10/1998	385	22
5/10		5,729,527		Gerstel, et al.	3/17/1998	370	228
5/10		5,745,274		Fatehi, et al.	4/28/1998	359	187
5/10		5,774,604		McDonald	6/30/1998	385	18
5/10		5,781,537		Ramaswami, et al.	7/14/1998	370	254
5/10		5,793,746		Gerstel, et al.	8/11/1998	370	228
5/10		5,801,863		Fatehi, et al.	9/1/1998	359	124
5/10		5,825,877		Dan, et al.	10/20/1998	385	9

FOREIGN PATENT DOCUMENTS

Exam. Initial*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (If known)				
5/10		EP	0 849 906	A2	Fujitsu	06/24/98	385	24X
5/10		EP	0 898 440	A2	EPO	02/24/99	385	24X
5/10		GB	2347570	A	United Kingdom	03/03/99	1040	14/02
5/10		WO	99/13656		PCT	03/18/99	1040	3/52
5/10		WO	99/18751		PCT	04/15/99	385	24X
5/10		EP	0 910 138	A1	EPO	04/21/99	385	24X
5/10		EP	0 932 069	A1	EPO	07/28/99	G02F	1/09

Examiner Signature	<i>B. Healy</i>	Date Considered	12/20/04
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 4 of 9

Complete if Known

Application Number	10/648,956
Filing Date	08/27/2003
First Named Inventor:	Rajiv Ramaswami
Group Art Unit	2855 2883
Examiner Name	Unassigned Healy

Attorney Docket Number 3239P081D2

CLASS 545-CL

U.S. PATENT DOCUMENTS

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		Number Code ²	Kind (If known)				
GWV		5,825,949		Choy, et al.	10/20/1998	385	24
ZMV		5,828,476		Bonebright, et al.	10/27/1998	359	152
GWV		5,864,643		Pan	1/26/1999	385	33
ZMV		5,867,289		Gerstel, et al.	2/2/1999	359	110
ZMV		5,892,606		Fatehi, et al.	4/6/1999	359	177
ZMV		5,900,968		Srivastava, et al.	5/4/1999	359	341
ZMV		5,903,687		Young, et al.	5/11/1999	385	17
ZMV		5,915,063		Colbourne, et al.	6/22/1999	385	140
ZMV		5,942,937		Bell	8/24/1999	329	303
ZMV		5,960,132		Lin	9/28/1999	385	18
ZMV		5,963,350		Hill	10/5/1999	385	24X
ZMV		5,970,201		Anthony, et al.	10/19/1999	385	140
ZMV		5,978,113		Kight	11/2/1999	359	110
ZMV		6,002,818		Fatehi, et al.	12/14/1999	385	17
ZMV		6,002,818		Fatehi, et al.	12/14/1999		
BWD		6,005,993		MacDonald	12/21/1999	385	16
BWD		6,005,993		MacDonald	12/21/1999		
BWD		6,008,915		Zyskind	12/28/1999	359	110
BWD		6,009,220		Chan, et al.	12/28/1999	385	24
BWD		6,046,833		Sharma, et al.	4/4/2000	359	119

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CLASS 545-CL

Exam. Initial ¹	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (If known)				
ZMV		WO	99/40738		Tol Johannes Jacobus Gerardus	08/12/99	385	24X
ZMV		EP	0 938 244	A2	Fujitsu	08/25/99	1040	1100
ZMV		WO	00/13210		PCT	09/09/99	325	24X
ZMV		WO	99/48323		PCT	09/23/99	385	24X
ZMV		EP	0 953 854	A1	EPO	11/03/99	385	24X
ZMV		WO	99/59272		PCT	11/18/99	385	24X
ZMV		WO	99/63374		Laor	12/09/99	385	24X

Examiner Signature	<i>B. Healy</i>	Date Considered	12/20/04
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Sheet 5 of 9

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Group Art Unit	2855 2883
Examiner Name	Unassigned / Healy

Attorney Docket Number

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		Number Code ²	Kind (If known)					
B111		6,047,331		Medard, et al.	4/4/2000	709 239		
B111		6,069,924		Sudo, et al.	5/30/2000	375 330		
B111		6,072,612		Liou, et al.	6/6/2000	359 123		
B111		6,081,361		Adams, et al.	2/27/2000	359 188		
B111		6,097,858		Laor	8/1/2000	385 16		
B111		6,097,859		Solgaard, et al.	8/1/2000	385 17		
B111		6,108,311		Ramaswami, et al.	8/22/2000	370 258		
B111		6,130,876		Chaudhuri	10/10/2000	370 228		
B111		6,147,968		DeMoer, et al.	11/14/2000	370 225		
B111		6,148,124		Aksyuk, et al.	11/14/2000	385 24		
B111		6,160,821		Dolle, et al.	12/12/2000	370 509		
B111		6,188,810	B1	Baney	2/13/2001	370 509		
B111		6,188,814	B1	Bhalla	2/13/2001	385 115		
B111		6,192,172		Fatehi, et al.	2/20/2001	359 124		
B111		6,195,402	B1	Hiramatsu	2/27/2001	375 368		
B111		6,198,571	B1	Yank	3/6/2001	359 33		
B111		6,207,949	B1	Jackel	3/27/2001	359 33		
B111		6,222,954	B1	Riza	4/24/2001	385 18		
B111		6,252,689	B1	Sharp	6/26/2001	359 168		
B111		6,253,001	B1	Hoen	6/26/2001	385 17		

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		Office ³	Number ⁴	Kind Code ⁵ (If known)				
B111		WO	99/63531		Laor	12/09/99	385 18X	
B111		WO	99/66354		Laor	12/23/99	385 18X	
B111		WO	99/67666		Laor	12/29/99	385 18X	
B111		WO	00/04671		Laor	01/27/00	385 18X	
B111		WO	00/13210	A2	Xros, Inc.	03/09/00	385 18X	
B111		WO	00/13210	A3	Xros, Inc.	03/09/00	385 18X	
B111		WO	00/20899		PCT	04/13/00	385 18X	

Examiner
Signature*R. Healy*

Date Considered

12/20/01

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		Office ³	Number ⁴				
BUR	1	WO	00/20899	A2	Xros, Inc.	04/13/00	385 18X
BUR	2	WO	00/20899	A3	Xros, Inc.	04/13/00	385 18X
BUR	3	EP	0 994 635	A1	EPO	04/19/00	385 18X
CUL	4	WO	00/30282		PCT	05/25/00	385 18X
BUR	5	EP	0 857 000	A3	Nippon Electric Co.	08/09/00	385 18X
BUR	6	WO	00/52865		PCT	09/08/00	385 18X
BUR	7	WO	00/07945		Nortel Networks Corp	02/01/01	385 18X

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Application Number 10/648,956

Filing Date 08/27/2003

First Named Inventor: Rajiv Ramaswami

Group Art Unit 2855 2883

Examiner Name Unassigned Healy

Sheet 8 of 9

Attorney Docket Number 3239P081D2

OTHER ART – NO PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
BW		A. HIMENO, R. NAGASE, T. ITO, K. KATO AND M. OKUNO; Photonic Inter-Module Connector Using 8x8 Optical Switches for Near-Future Electronic Switching Systems; IEICE Transactions on Communications; E77-B (1994) February, No. 2, Tokyo, JP	
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Examiner Signature

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 9 of 9

Complete if Known

Application Number	10/648,956
Filing Date	08/27/2003
First Named Inventor:	Rajiv Ramaswami
Group Art Unit	2855-2883
Examiner Name	Unassigned /Healy

Attorney Docket Number 3239P081D2

OTHER ART – NO PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
BWJ		BISCHOFF, et al., Operation and Maintenance for an All-Optical Transport Network, IEEE Communications, Magazine, pp 136-142, 11/1996.	
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